

373.4592(4)(f) *EAA best management practices.*—

1. The district, in cooperation with the department, shall develop and implement a water quality monitoring program to evaluate the effectiveness of the BMPs in achieving and maintaining compliance with state water quality standards and restoring and maintaining designated and existing beneficial uses. The program shall include an analysis of the effectiveness of the BMPs in treating constituents that are not being significantly improved by the STAs. The monitoring program shall include monitoring of appropriate parameters at representative locations.

2. The district shall continue to require and enforce the BMP and other requirements of chapters 40E-61 and 40E-63, Florida Administrative Code, during the terms of the

existing permits issued pursuant to those rules. Chapter 40E-61, Florida Administrative Code, may be amended to include the BMPs required by chapter 40E-63, Florida Administrative Code. Prior to the expiration of existing permits, and during each 5-year term of subsequent permits as provided for in this section, those rules shall be amended to implement a comprehensive program of research, testing, and implementation of BMPs that will address all water quality standards within the EAA and Everglades Protection Area. Under this program:

- a. EAA landowners, through the EAA Environmental Protection District or otherwise, shall sponsor a program of BMP research with qualified experts to identify appropriate BMPs.
- b. Consistent with the water quality monitoring program, BMPs will be field-tested in a sufficient number of representative sites in the EAA to reflect soil and crop types and other factors that influence BMP design and effectiveness.
- c. BMPs as required for varying crops and soil types shall be included in permit conditions in the 5-year permits issued pursuant to this section.
- d. The district shall conduct research in cooperation with EAA landowners to identify water quality parameters that are not being significantly improved either by the STAs or the BMPs, and to identify further BMP strategies needed to address these parameters.

3. The Legislature finds that through the implementation of the Everglades BMPs Program and the implementation of the Everglades Construction Project, reasonable further progress will be made towards addressing water quality requirements of the EAA canals and the Everglades Protection Area. Permittees within the EAA and the C-139 Basin who are in full compliance with the conditions of permits under chapters 40E-61 and 40E-63, Florida Administrative Code, have made all payments required under the Everglades Program, and are in compliance with subparagraph (a)8., if applicable, shall not be required to implement additional water quality improvement measures, prior to December 31, 2006, other than those required by subparagraph 2., with the following exceptions:

- a. Nothing in this subparagraph shall limit the existing authority of the department or the district to limit or regulate discharges that pose a significant danger to the public health and safety; and
- b. New land uses and new stormwater management facilities other than alterations to existing agricultural stormwater management systems for water quality improvements shall not be accorded the compliance established by this section. Permits may be required to implement improvements or alterations to existing agricultural water management systems.

4. As of December 31, 2006, all permits, including those issued prior to that date, shall require implementation of additional water quality measures, taking into account the water quality treatment actually provided by the STAs and the effectiveness of the BMPs. As of that date, no permittee's discharge shall cause or contribute to any violation of water quality standards in the Everglades Protection Area.

5. Effective immediately, landowners within the C-139 Basin shall not collectively exceed an annual average loading of phosphorus of 28.7 metric tons based proportionately on the historical rainfall for the C-139 Basin over the period of October 1, 1978, to September 30, 1988. New surface inflows shall not increase the annual

average loading of phosphorus stated above. Provided that the C-139 Basin does not exceed this annual average loading, all landowners within the Basin shall be in compliance for that year. Compliance determinations for individual landowners within the C-139 Basin for remedial action, if the Basin is determined by the district to be out of compliance for that year, shall be based on the landowners' proportional share of the total phosphorus loading of 28.7 metric tons. The total phosphorus discharge load shall be determined by a method consistent with Appendix 40E-63-3, Florida Administrative Code, disregarding the 25-percent phosphorus reduction factor.

6. The district, in cooperation with the department, shall develop and implement a water quality monitoring program to evaluate the quality of the discharge from the C-139 Basin. Upon determination by the department or the district that the C-139 Basin is exceeding any presently existing water quality standards, the district shall require landowners within the C-139 Basin to implement BMPs appropriate to the land uses within the C-139 Basin consistent with subparagraph 2. Thereafter, the provisions of subparagraphs 2.-4. shall apply to the landowners within the C-139 Basin.

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